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Trans. of Zeitschrift für Elektrochemie (Germany)
1931, v. 37, no. 8/9, p. 740-742.

DESCRIPTORS: *Alkali metals, *Electrochemistry,
Electrolysis, Fused materials, Chlorides, Sodium
compounds.

(Chemistry--Physical, TT, v. 10, no. 5)

63-16165

I. Thilemus, R.

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Status of European Manufacturing of Plastic
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pp 585-589. CTR 514 27 27

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Re 60.1010

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Laboratory, by G. Thilliez,
FRENCH, rev. Chimie Analytique, Vol 46, No 1,
1964, pp 3-22,
NLL Ref: 9022.09 (5097)

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C.S. Trans 5097

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G. Thilliez

The Chemistry of Condensed Phosphates and
Arsonates. Part 13. The Courses of the Dehydra-
tion of the Dihydrogenmonophosphates of Li,
Na, K, and NH₄, by E. Thilo, H. Grunze.

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Inorganic Salts With High Molecular Weight Anions
in the Dissolved and in the Solid State, by
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1AC INTERNAL USE ONLY

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CHLORIDE OF SILICATES, SiO_2 (Silica)
 Observed July 1950 12p. 27 refs. 7/14/50
 Under 100 175 p. 91.5 SL. 10

Thermal, chemical, physical (Mechanical) properties
 of SiO_2 and SiO_2 compounds

1. Silica, SiO_2 , minerals, silicates, chemical
 properties, physical structure, chemical composition
 Sodium silicate, Chemical reactions.

The structure and the principles of formation of silica
 silicate, physical and chemical properties of the
 relationship between the chemical properties and the
 construction of silicates of silica in the present
 constitutional chemistry of silicates in the present
 ing of the silica, not only, since methods for the
 formation and decomposition are not yet known
 (2) and Silica, SiO_2 , minerals, SiO_2 , SiO_2 , SiO_2

0227782

Thilo, E.
THE CHEMISTRY OF CONDENSED PHOSPHATES, tr.
by Bertha P. Klenova. 15 Jan 52 [11]p. 39 refs.
TVA 3076.

Order from OTS or SLA \$1.60

62-25809

Trans. of Angew[andte] Chem[ie] (West Germany) 1951,
v. 63, p. 308-511.

DESCRIPTORS: *Phosphates, *Chemistry, Phosphoric
acids, Condensation reactions.

Important conclusions with respect to the constitution
were derived from the study of the structure of the
anions of condensed phosphoric acids. A division can
now be made into metaphosphates, polyphosphates,
isometa phosphates, and another group for which the
constitution has not been definitely established as yet.
Graham's and Kuroi salts belong to this latter group.
An important contribution was made to the chemistry of
the transformations of Kuroi salts. (Author)

62-25809

- I. Thilo, E.
- II. TVA-3076
- III. Tennessee Valley
Authority, Wilson Dam,
Ala.
- IV. 60-23290 canceled

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(Chemistry - Inorganic,
TT, v. 9, no. 10)
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Classy State, by E. Thilo.

GERMAN, per, Silikat Technik, Vol VI,
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The Modifications of $\text{Na}_2\text{B}_4\text{O}_7$ and Their Relationship
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Type Structures III., by Erich Thilo, Friedrich
Lieben, 32 pp.

GERMANY, Ber, Z Physik Chem, Vol CXIX, 1931,
Leipzig, pp 125-141.

AEC NP-tr-293

Sci. - Phys., Chem
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The Chemistry of the Condensed Phosphates and
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phosphates and the Properties of the Tetraphosphates
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1949, Vol CCLX, pp 255-266.

SLA 59-17291

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Structural Chemistry of Condensed Phosphates, by
Erich Thilo, 16 pp.

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1956, pp 1621-1636.

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Sci - Chem

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CONDENSED PHOSPHATES, tr. by Bertha P.
Kienova, 20 Apr 55 [17]p. 29 refs. [No.] 3428.
Order from OTC or SIA \$1.60 60-23428

Trans. of Angewandte Chemie (West Germany)
1955, v. 67, p. 141-145

DESCRIPTORS: Phosphates, Condensation,
Molecular weight, Ion exchange, Enzymes.

The name "condensed phosphate" has been given to
the metaphosphates, $M_n^I [P_nO_{3n}]$ polyphos-
phates, $M_n^I \cdot 2 [P_nO_{3n} + 1]$ or $M_n^I [H_2P_nO_{3n+1}]$,
terminal phosphates, and cross-linked polyphosphates.
No nomenclature, preparation, and properties are dis-
cussed. In particular, it is shown that the salts of
polyphosphates of high molecular weight should be
(Chemistry-Engineering, T.T. v. 8, no. 3) (over)

60-23428

- I. Thilo, E.
- II. TVA-3428
- III. Tennessee Valley Authority,
Wilson Dam, Ala.

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On the Ethyl Ester Mixture of the Tetrameric
Metaphosphoric Acids, by Rudi Haste, Erich Tillo,
21 pp.

Chem., per, Justus Liebig's Annalen der Chemie,
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On the Hydrolysis of Phosphorus (III)-Chloride,
-Bromide and -Iodide (1), by Erich Thilo, Dieter
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GERMAN, per, Zeit f Anorg und Allg Chemie,
Vol CCXXXI, No 5/6, 1955.

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Sci - Chemistry
Sep 56 CES/dax

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The Chemistry of Condensed Phosphates and Arsenates,
Pt 3, The Manufacture and Properties of Meta-Arsena-
tophosphates and the Constitution of Maddrell's Salt
(NaPO_3). 19 pp. UNCLASSIFIED
by Erich Thilo, Ilse Flaetschke

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pp 197-214.

ANC Tr 1895

Scientific - Chemistry

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Products of the Thermic Dehydration of $\text{Na}_5\text{P}_3\text{O}_{10} \cdot 6\text{H}_2\text{O}$
and the Probable Formation of a Dimetaphosphate.,
by Erich Thilo, Hans Seemann, 18 pp.

GERMAN, Z. anorg. u. allgem. Chem., Vol CCLXVII, 1951,
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Scientific - Chemistry

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Thilo, Erich and Wicker, Wolfgang.
ON THE CHEMICAL PROOF OF STRUCTURE OF
THE HEXAGONAL, EASILY VOLATILE MODIFICA-
TION OF PHOSPHORUS(V)-OXIDE. III. THE HY-
DROLYSIS OF PHOSPHORUS(V)-OXIDE. [1960] 12p
(figs. formulae omitted) 18 refs.
Order from SLA in \$2.40, ph\$3.30

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Germany) 1964, v. 277, p. 27-35.

The small quantities of trimetaphosphate do not form in the hydrolysis of P_4O_{10} do not form through iso-
tetrametaphosphoric acid as the presumed first de-
tectable product of the hydrolysis, but from high
molecular condensed phosphates which form in small
quantities from P_4O_{10} in contact with water. It is
shown that the hydrolysis of the P_4O_{10} proceeds as the
intermediate product of tetrametaphosphoric acid,
but through the formation of tetrametaphosphoric acid. The
behavior of P_4O_{10} in water, moist air, and alcohol
is compared with the known and findings. (Author)
(Chemistry--Inorganic, TT, v. 5, no. 4)

61-10163

I. Phosphorus oxides--
Hydrolysis

I. Thilo, E.

II. Wicker, W.

III. Title: Hydrolysis.

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Chemistry of Polyphosphates, by E. Thilo.
FRENCH, per, France. Centre National de
la Recherche Scientifique. Colloques Inter-
nationaux, no. 106, 1962, pp. 491-511.
NTC 70-17115-07B

E. Thilo

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Preparation of Pure Sodium Hexametaphosphate,
by E. Thilo.

GERMAN, per, Angewandte Chemie, vol. 75,
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On the Number of Divisors Within an Angle, by
Lay Dyk Uchin, 3 pp.

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Sci - Math

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The Efficiency of Plasticizers in Contact with
Liquids, by K. Thinius.

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1958, pp 243-246.

DLI Ref: 5028.4F (01 13540)

K. Thinius

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Thinius, Kurt.
POLYISOBUTENE: PRODUCTION, TREATMENT, AND
APPLICATION AS RUBBERLIKE PLASTIC, PIS. III
(IN PART)-IV. (1963) 17p 41refs
Order from SLA \$1.60

63-20002

Trans. of Kautschuk und Gummi (West Germany) 1951,
v. 4, p. 128-131.

DESCRIPTORS: *Polymers, *Butenes, *Ethylenes,
Synthetic rubber, Plastics, Physical properties, Me-
chanical properties, Dielectric properties, Electrical
engineering, Construction, Adhesives, *Elastomers.

Topics include: typical rubberlike properties; working
in the wet way; physical and mechanical properties;
application in electrical engineering; use in building
technique and for coatings; and suitability for adhesives.
(See also 63-20001)

(Materials--Elastomers, TT, v. 10, no. 10)

63-20002

1. Title: Polyisobutene
1. Thinius, K.

1252535

Office of Technical Services

The Preparation and Thermostability of Dilute
Solutions of Polyvinyl Chlorides in
Cyclohexanone for Viscometric Measurements, by
H. Thinius, K. Billig, 8 p.

OKULIAN, par, Plaste u Kautschuk, 1958, Vol V,
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SLA 59-15701

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The Dissolving Capacity of the Softeners. 64.
Report from the Institute of Chemistry and Technology of
Plastics, by K. Thinius, 13 pp.

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Sci - Chem

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From the Institute of Chemistry and Technology of
Plastics, by K. Thinius, 12 pp.

GERMAN, GER, Elastie und Kautschuk, Vol V, No 1,
1958, pp 3-5.

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Sci - Chem

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Sci - Chem

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Thomas, E. and others. THE USES FOR EVALUATING STABILISERS FOR POLYVINYL CHLORIDE. Pt. 8 of Contribution to the Study of Macromolecular Stability. (1962) 1590 words. (Reference) TTTS 411,00	63-12587 I. Thomas, E. II. Title: Contribution to the Study of Macromolecular Stability. III. Translation and Technical Information Services, (GPO, Wash. D.C.)
Trans. of Plaste und Kautschuk (Germany) 1962, v. 39, no. 11, p. 416-419.	137
DESCRIPTION: 8. Polyvinyl chloride. Acetates. Viny chloride. Stability. Plastics.	Office of Technical Services
(Material from Plastics, TT, v. 39, no. 11)	

Softening Agent for Linear Polycondensates, by
K. Thinius UNCLASSIFIED

GERMAN, PAT, Kunststoffe, Vol XXVIII, No 5, 6,
1968, pp 108-110. CIA 9031276

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Thinius, Kurt.
POLYISOBUTENE: PRODUCTION, TREATMENT AND
APPLICATION AS RUBBERLIKE PLASTIC, PT. I [1963]
14p 31 refs

Order from SLA 51.60

63-20000

Trans. of Kautschuk und Gummi (West Germany) 1951,
v. 4, p. 53-55.

DESCRIPTOR: *Polymers, *Butenes, *Ethylenes.
Polymerization, Synthesis (Chemistry), Processing,
*Elastomers, Synthetic rubber, Plastics, Polyethylene
plastics.

Topics include: polymerization products from the series
of olefin hydrocarbons; the polymerization reaction;
purification process for polyisobutene; increasing the
thermostability; and, thermal depolymerization.

(Materials--Elastomers, TT, v. 10, no. 11)

63-20000

1. Title: Polyisobutene
1. Thinius, K.

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Thinius, Kurt.
POLYISOBUTENE: PRODUCTION, TREATMENT, AND
APPLICATION AS RUBBERLIKE PLASTIC, PTS. II-III
(IN PART). [1953] 18p 19refs
Order from SLA \$1.60

63-20001

Trans. of Kautschuk und Gummi (West Germany) 1951,
v. 4, p. 92-95.

DESCRIPTORS: *Polymers, *Butenes, *Ethylenes,
Solubility, Solvents, Viscosity, Osmotic pressure,
Fractionation, Machines, Processing, *Elastomers,
Polymerization, Chemical properties.

Topics include: solubility and solvents; viscosity
measurements; osmotic measurements and fractiona-
tion; machines and other expedients for working; and
production of films. (See also 63-20000)

(Materials--Elastomers, IT, v. 10, no. 11)

63-20001

1. Title: Polyisobutene
1. Thinius, K.

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Thinius, Kurt.
THE EUCOLLOID SYSTEM AND PLASTICIZERS, I.
[1963] 28p
Order from K-H \$28.00 K-H 5309 t
Trans. of Kunststoffe Technik [sic] 1952, v. 4,
no. 10, p. 471-476.
DESCRIPTORS: *Plasticizers, *Colloids, Valence.

(Chemistry--Physical, TT, v. 10, no. 12)

63-22824

- I. Title: Eucolloid system
- I. Thinius, K.
- II. K-H-5309t
- III. Kreage-Hooker Science
Library Associates,
Detroit, Mich.

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For a Better Understanding of Relations of German
Between Layers of Various Polymers, by Kurt Hirth,
12 pp.

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Sci
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Vol 2, pp 5

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The Analytical Chemistry of Plastics. VI. Identification and Determination of Polyols, by Kurt Imboden, Elisabeth Schroeder, 4 pp.

Q189951, par, Chem Abstr, Vol VIII, No 7, 1956,
pp 327-329.

BLA 59-15651

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Thomus, Kurt.
THE APPLICATION OF LINEAR POLYCONDEN-
SATES AS RAW MATERIALS FOR PLASTICS (Die
Anwendung der linear polykondensate als Kunststoff-
rohstoffe). [1966] 25p. 67 refs.
Order from SLH m\$2.70. ph\$4.80 CI-10647

Trans. of Kunststoffe (West Germany) 1947, v. 37,
no. 10/12, p. 215-218.

(Materials: Plastics, IT, v. 3, no. 9)

CI-10647

1. Amino polymers -
Applications
2. Urethane polymer -
Applications
3. Plastics - Materials
1. Thomus, K.

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Adhesive Plaster, by Kurt Thinius.

GERMAN, patent No 743,775, 5 pp.

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Sci - Engineering
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The Synthesis of Derivatives of Thiouracil (by)
I. N. Thiocarbonyl Piperazines, N. B. Galstukhova,
M. N. Shilukina, pp. 1090-1092

RUSSIAN, per, Zhur Obshch Khim, Vol XXXI, No 4, 1961,
pp. 1090-1092

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Optimization of Fuel Cycles in a Dynamic Program
of Installed Power, by J. Gaussens, L. Thiriet, 28 pp.
FRENCH, rpt. Proceedings of the Symposium on
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Control and Operating Plans for the Repro-
duction of Enriched Uranium, by L. YERGEN,
C. BRUNNEN, et al, 18 pp.
FALMOUTH, MA, Fast Cyclon Six Power Reactors, Radon-
Boron, by 1964.
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Angular Distribution of the Disintegration Protons of
Boron by Deuterons and Study of the Proton Gamma
Rays Coincidence in the Disintegration of Boron by
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On the Laminar Starting Flow of a Liquid Above a
Rotating Bottom at Sudden Changes of the State of
Rotation, by Karl Hans Thiirmer, 20 pp.

GERMANY, Fed. Z. Angew Mathematik und Mechanik,
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Sci

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The Possible Spread of Radiocative Infection
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Thuring, 24 pp
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Hans Thuring

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Changes in Occupation Between 1930 and 1941, by
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Occupation of Our Population, by Lajos Thirring,
19 pp.

HUNGARIAN, no per, Magyar Statisztikai Szemle,
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GERMAN, Ger, Fortschritte der Physik, Vol VII, 1959,
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Sci-Phys

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Application of the Immunofluorescence Technique
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Myoplasma, by J. Thiviolet.

IBS 101, par. Ann. Inst Pasteur (Paris), Vol 105,
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June 68

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(NY-6663)

Two Model Barber Shops, by Tho Cao, 3 pp.

VIETNAMESE, np, Thoi Moi, No 2600, 12 May 1961,
p 4.

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ASTA - Vietnam

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Oct 61

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Animal Husbandry in the Highlands, by Huu Tho, 4 pp.

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FE - Vietnam

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(NY-2357)

Election of Provincial and District Lao Dong Party
Committees in North Vietnam, by Vu Tho, 5 pp.

VIETNAMESE, np, Nhan Dan, Hanoi, 29 Dec 1958, No
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FE - North Vietnam
Fol - Communist Party
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Phosphatases of Blood Corpuscles Active in
Acid Medium (Acid Phosphatases), by J. Roche,
Nguyen-van Thonl, J. Maudoir, 4 pp.

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Scientific - Medicine

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Stannicphosphoric Derivatives and New Types of
Phosphazenes, by W. V. Thoni and J. Roche, 10 pp.

RUSSIAN: Russk. Khim. Vol XXII, No 1, 2,
Jan-Apr 1957, pp 319-329.

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Characteristics of the Very Acid Phosphomonoesterase,
by Nguyen-van Thoai.

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I. Degradation of the Arginine in the Marine
Invertebrates, by Nguyen-Van Thoai, Jean Roche,
Yvonne Robin, 19 pp.

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Pathogenesis, Clinical Course and Therapy of Renal
Shock, by H. Thoelan, 17 pp.

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Sci. Biol. & Med
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Economical Clinker-Bit Road, by D. Thoenes.
GERMAN, per, Wegen, Vol XXV, No 4, 1951, pp 89-93.

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Study of Corrosion Damage in Slagging Furnaces,
by K. Enatz, K. Kossch, H. W. Thoenes,

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23 May 61

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The Water-Separation Capabilities of Mineral
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Fire and Explosion Dangers Arising From Compressors
With Oil-Lubricated Pressure Chambers. Part II,
by H. W. ~~Bogen~~
GERMANY, ~~for~~, Technische Ueberwachung, Vol V, No 2,
1964, pp 59-63.

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With Oil-Lubricated Pressure Chambers. Part I,
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GERMANY, 1964, Technische Ueberwachung, Vol. V, No 1,
1964, pp 12-16.

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Available on loan only

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Fire and Explosion Hazards Arising from
Compressors with Oil Lubricated Compression
Spaces, by H. W. Thoenes.

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